

CASE STUDY PAVEMENT REHABILITATION SOUTH AUSTRALIA

FLEXI-C-MENT STABILIZING OF INSITU MATERIAL



PRODUCT FLEXI-C-MENT CO POLYMER SOIL STABILIZER

ENGINEER LAB+FIELD, SOUTH AUSTRALIA

CLIENT VITERRA

CONTRACTOR BUTTROSE EARTH MOVERS

LOCATION ROSEWORTHY, SOUTH AUSTRALIA

WHERE SCIENCE



MEETS THE EARTH

PROJECT – REHABILITATION OF EXISTING PAVEMENT

April 2020

The scope of the project was to stabilize and bridge the underlying subgrade that was causing failure in the top pavement where water ingress was a problem in a highly plastic material.

DESIGN

2ltrs Flex-C-Ment @ 12kgs of Cement per sqm 200mm deep

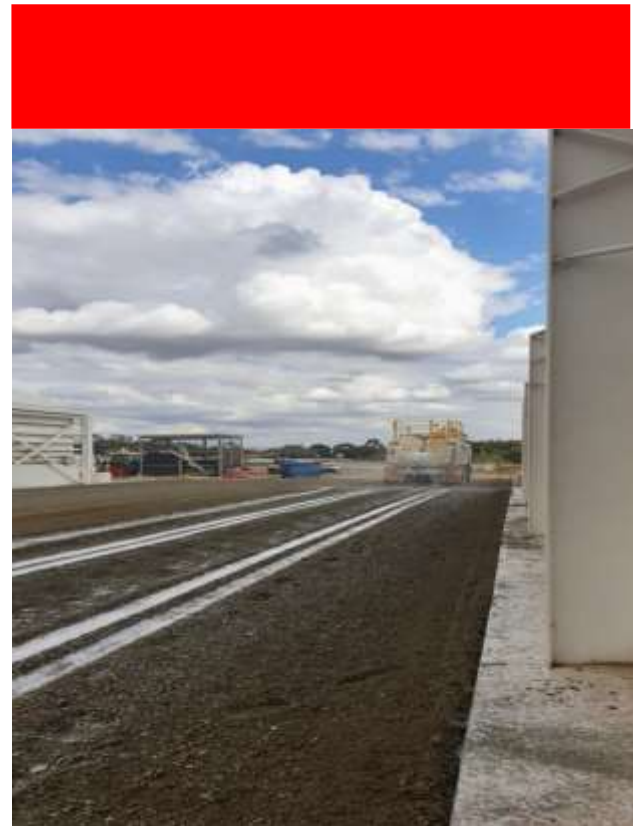
Remediation of an existing pavement for a large grain handling client. Because of the unique properties of Flexi-C-Ment, no additional gravel was imported for this job and successful stabilizing of the insitu material was completed over 8 hours and chip seal was applied a few days later.

INSTALATION

To ensure the clients satisfaction on the installation of an alternative system, the team from Gravel Lock were onsite to oversee the construction. Basic Construction equipment - Powder Spreader, Tractor Mill, Grader, Water Cart & Roller were used to remediate this pavement. Construction time for the initial remediation was 8 hours.

BENEFITS PROVIDED TO THE PROJECT BY USING FLEXI-C-MENT

- Substantial savings on resources and construction costs
- Stabilized insitu material – no importing costly aggregates
- Quick and easy to install – completed stabilizing in 1 day and chip sealed the following week
- Provided the client with a long lasting, strong, flexible water resistant pavement
- Trafficable pavement immediately following construction



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